

BROTHER
BACK TO BASICS
ULT2003D
Sewing and Embroidery
Guide Book

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Brother ULT2003D

Back to the Basics

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ULT2003D INTRODUCTION

The Brother ULT2003D has very unique features that will give you a lifetime of sewing enjoyment.

1. The Disney Characters welcome you on screen when the machine is turned on. The large, colored, touch screen is angled for the person sewing so it is always easy to view.
2. Touch the screen. The Utility stitch screen comes up. There are three help/editing icons at the top of the screen.
3. Touch the first one. The message on the screen will tell you the use of the stitch you selected. This is available for the Utility Stitches and the Character Decorative Stitches.
4. Touch the center key (machine and the question mark.) The information in this section will guide you through the operation and maintenance of this machine.
5. Touch Basic Operation. Then touch lower left icon indicating the bobbin. Touch the video at the bottom of the screen. The video is available for bobbin winding, setting the bobbin and upper threading.
6. Touch the icon in the upper right corner. There are three help/editing screens available. Pg. 1-17 in instruction book.
 - The help/edit keys and features are easy to understand and use.
 - Screen 1 will give you the settings for embroidery speed. 350, 600, 800 SPM settings are available. Pg.1-20 in instruction book.
 - Screen two. It is important to turn on the application check and the color separation. Pg.1-20 in instruction book.
 - Screen three. Thread color numbers can be customized. Pg. 5-43 in instruction book.

The above reference to the information in the Brother ULT2003D is a very brief overview of the help and editing information that is included. Please take time to look over all the wonderful options that are available at the touch of a key!

UTILITY STITCHES

Back to Basics—the Sewing Side

The Brother ULT2003D has the features and benefits needed for all your sewing and embroidery needs.

- Stitch number 1-01 is a straight stitch left needle position. Backstitch reinforcement can be added by touching the backstitch key.
- Stitch number 1-03 is straight stitch center needle position. Backstitch reinforcement can be added by touching the backstitch key.
- Stitch numbers 1-02 and 1-04 are left needle and center needle position respectively. When the backstitch button is touched the needle will stitch in place several reinforcement stitches.
- Hint: Stitch numbers 1-01 and 1-02 needle positions can be changed in increments of .5mm by touching the + in the width adjustment.
- Needle position on stitch 1-07 and 1-08 can also be changed by touching the + on the width control.
- Note: On page 2 the letters S, P or Q beside the stitch number suggests the stitch be used with the side cutter or for piecing or quilting.
- Tabs near the bottom of the screen will open additional screens. Separate guide sheets are included.

BLINDHEM

BROTHER ULT2003D

The blindhem stitch is built into the Brother ULT2003D and will create an invisible hem.

- Place “R” foot on the machine.
- Fold fabric in S shape. Pg 3-35 inst. book.
- Select 2-01 for woven fabric.
- Select 2-02 for knit fabric.
- Line the fold of the fabric against the guide on the presser foot.
- Stitch.
- Adjust the width of the stitch to compensate for different.

- The blindhem foot can also be used as a guide for perfect edge stitching.
- Stitch 1-01 Width 1.0
- Place edge of fabric next to the guide.
- Guide holds fabric for a perfect edge.

- The blindhem stitch can be used to attach lining to fabric.
- Presser foot “J”.
- Blind hem stitch.
- Sew a seam as you would with a regular straight stitch. Have the bite of the zigzag directed into the body of the fabric. When the lining is turned back it looks like a hand picked hem.

BUTTONHOLES

BROTHER ULT2003D

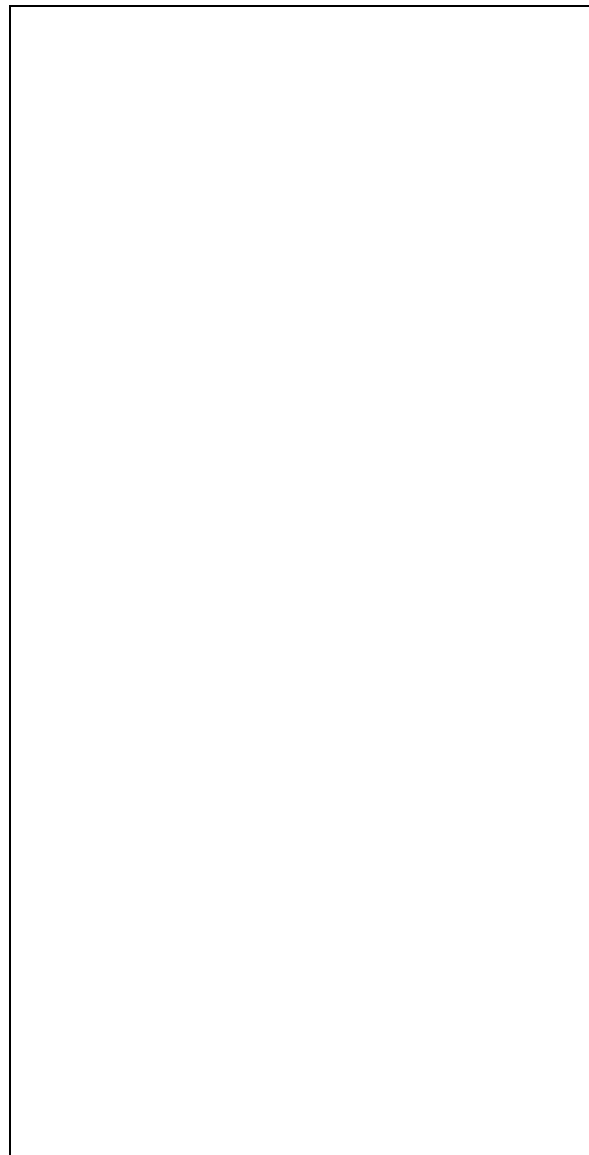
A perfect buttonhole every time!
Choice of 15 different styles of
buttonholes.

- The button determines size.
- Following the directions in the instruction book insert the button in the slot at the back of the buttonhole foot. Push the slide forward to fit snugly around the button. Place the buttonhole foot on the machine.
- Mark the position and the length of the buttonhole on the fabric. The buttonhole sews from front to back.
- Lower the buttonhole lever so it is positioned behind the metal bracket.
- Align the needle with the mark on the fabric indicating the beginning of the buttonhole.

Note: A straight stitch is sewn in the buttonhole for reinforcement.

- A wonderful foot is included to sew on buttons. Slide the button in the slot. The button is held and a bar lifts the stitches to create a shank. A second foot is also included for a tighter stitched button.
- Slots on the buttonhole foot hold cord for a corded buttonhole.

Darning, bar tack, and eyelet stitches are also included.



APPLIQUE' **ULT2003D Sewing side**

Appliqué is the art of attaching a piece of fabric to a larger piece of fabric with decorative, satin or special stitches such as stitch number 1-33. This stitch is often used for invisible appliqué.

- The method for appliqué is found on page 3-31 in the instruction manual.
- Stitch number 1-33 creates an invisible appliqué stitch when the thread color closely matches the fabric or monofilament thread is used on top.
- Stitch number 1-32 the quilting appliqué zigzag stitch is often used to create a satin stitch. The length and width can be changed on screen and locked for use later.
- Hint: When appliquéing it is best to sew in a slow to medium speed. The speed control on the machine can be set for a comfortable speed for you to use.
- The featherstitch, also known as the pine stitch is number 2-11. This stitch is often used when appliquéing trees or leaves. It is also used in the popular crazy quilt appliqué.

HEIRLOOM/HEMSTITCHING BROTHER ULT2003D SEWING SIDE

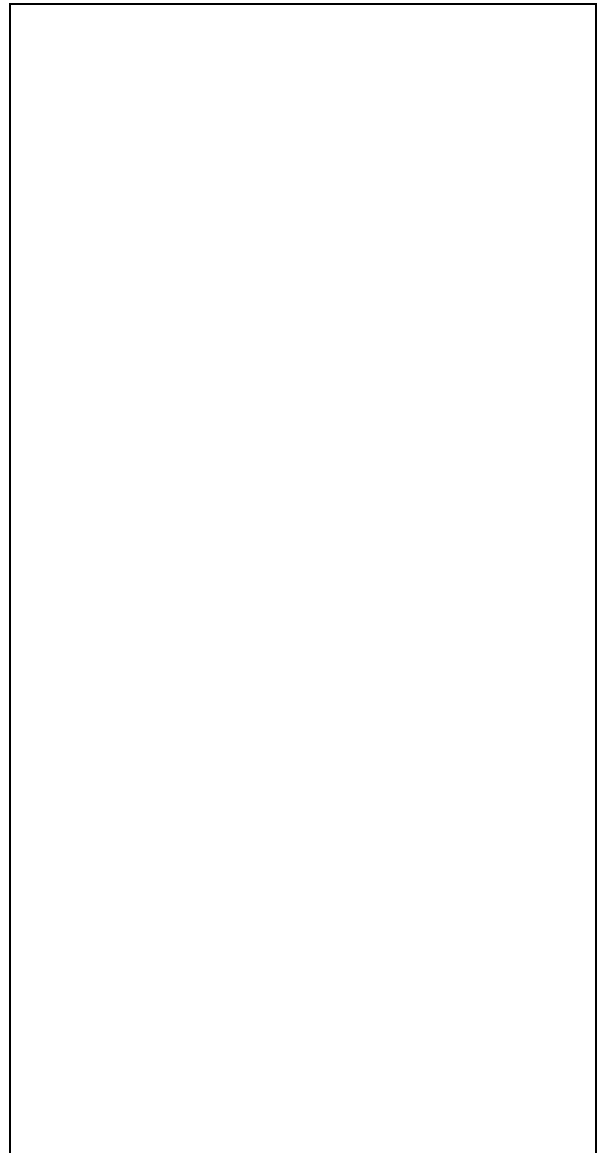
In the Utility selection, stitch numbers 3-01 through 3-22 are labeled as hemstitching and honeycomb. These include many of the popular stitches used in Heirloom sewing.

- The use of a wing needle and a lightweight thread will create the beautiful entredeux stitches that are used for attaching lace to fabric and creating the inserts used in heirloom sewing.
- These stitches can be mirrored or sewn with a twin needle.
- Stitches can also be stored in memory for permanent storage or placed in the locked position for temporary recall.
- Select a stitch. Place the suggested foot on the machine and start sewing.
- Many hints and tips on heirloom sewing are included in the instruction manual and the many books and magazines available today.

MULTI-DIRECTIONAL SEWING BROTHER ULT2003D

The ability to sew in a square or at an angle without turning the fabric is a very functional feature on the ULT2003D. This is a great for sewing on patches or emblems as well as patching.

- Attach the monogramming foot “N”.
- Stitches are found in the Utility section.
- Select Stitch number 5-07. This will sew from top to bottom. Sew desired length. About 2” for the sample.
- Select Stitch number 5-04. This will sew from right to left. The fabric will move sideways. Guide the fabric to keep sewing straight.
- Continue sewing in the different directions. Have fun creating a unique design.
- 5-01, 03, 06, and 08 will sew diagonally.



QUILTING STITCHES BROTHER ULT2003D

Many stitches used in quilting are built into the ULT2003D. For piecing fabric together with a perfect 1/4" seam or quilting the top, batting and backing together, the Brother ULT2003D can fulfill your quilting needs.

- Stitch number 1-29 is the "right" piecing stitch. Using the "J" foot and aligning the fabric with the right edge of the presser foot will give a perfect 1/4" seam.
- Stitch number 1-30 is the "left" piecing stitch. Using the "J" foot and aligning the fabric with the left edge of the presser foot will give a perfect 1/4" seam.

Note: The default stitch length on these two stitches is short, creating a tight stitch. The stitch length can be adjusted if desired.

- Stitch number 1-34 is a built-in 7mm wide stippling stitch for use in small areas. The stitch length can be increased for a different look.
- Stitch number 1-32 is a quilting appliqué stitch. It is used for appliquéing quilt blocks.
- Stitch number 1-33 is a quilting appliqué stitch. It is a perfect stitch for attaching binding to a quilt. The stitch length and width can be adjusted.
- Stitch number 1-31 is the hand look quilting stitch. By using clear monofilament thread on the top and colored thread on the bobbin a hand quilted look can be achieved. This works well in small areas. Increase the upper tension if needed.

MY CUSTOM STITCH CREATING ORIGINAL STITCH

Pg. 7-1 ULT2003D Instruction Book.

This very unique feature allows you to create a new stitch that is perfect for your project. You can also recreate a stitch that was a favorite many years ago.

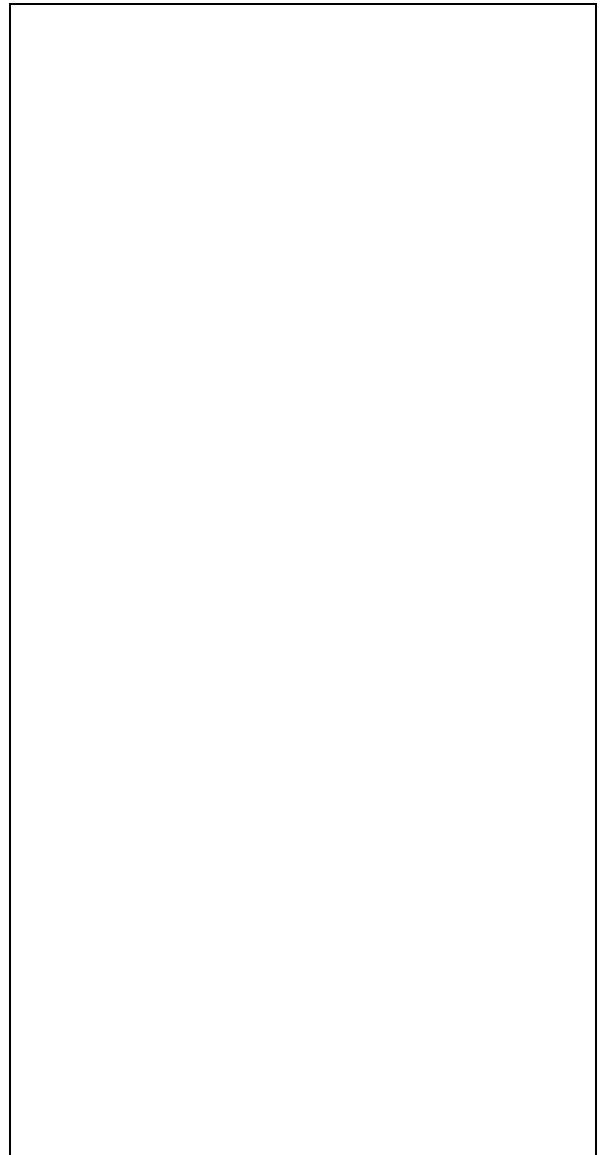
- Character Decorative Stitch
- Touch the My Custom Stitch icon.
- Stitches can be a maximum of 7mm (9/32 inch) wide and 37 mm (1-1/3 inch) long.
- Turn to page 7-1 and 7-2 in the instruction book for complete easy instruction.
- Designing the stitch can be simplified by drawing the stitch on the enclosed grid paper first.
- If the design is to be repeated and connected, the start point and end point of the design should be at the same height.
- Simplify the design so it can be sewn as a continuous line.
- Hint: The machine must sew in one continuous line. It cannot jump around.
- Think of drawing without taking the pencil off of the paper.
- Remember the maximum width is 7mm. That is the entire width of the grid on the screen. Your design should always fill the entire area unless you want a very small stitch.
- Note: ***My Custom Stitch-A guide for Brother Pacesetter Owners***-by Barbara Skimin is an excellent guide book. It is available through Brother Dealers.

DECORATIVE STITCHES

Character Decorative Stitch

The Brother ULT2003D has 9 categories of stitches and fonts to choose from. This includes 3 styles of lettering.

- The first category, top icon in left column, of decorative stitches has 9 screens to choose from. The stitches can be sewn in large and small sizes. Editing options include invert, mirror, one only or continuous. Sizes vary from 7mm to 40 mm. The Large Continuous pattern numbers 6-107 to 6-120 are favorites for borders in quilting. Pattern stitch number 6-121 can be used for stitch adjustment.
- Combine any stitch or number of stitches and sew continuously.
- Second category is 7mm decorative stitches. The stitch width and length can be changed on these. Other editing options are: Mirror, invert, single, continuous single, combine, continuous combination.
- Any stitch or combinations of stitches can be stored in memory. The memory can hold up to 20 stitch patterns. Pg. 4-27 in the instruction book.



DECORATIVE STITCHES

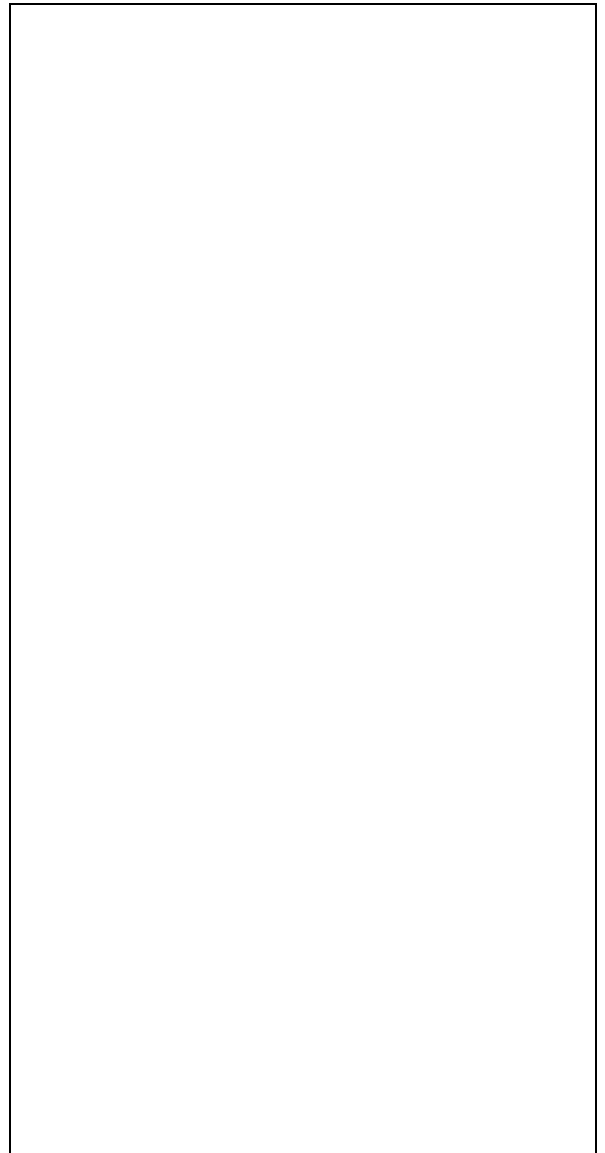
CHARACTER DECORATIVE STITCHES

DECORATIVE SATIN STITCHES

- 5 screens of decorative satin stitches for a total of 64 Satin Stitch designs are built into the Brother ULT2003D.
- These stitches can be edited. Size, density, mirror and invert can change the look of the stitch. They can also be elongated. A single pattern or a continuous pattern may be sewn.
- Patterns may be combined in combinations of sizes, chosen from different screens or having been edited.
- Just for fun!!! Try stitch number 8-52 or 8-53 for grass under a tree, flower or little animal.

CROSS STITCH

- 16 built in cross-stitch patterns lend themselves to borders and other decorative areas.
- The pattern can be sewn as one only or as a continuous. Patterns can be combined and sewn continuously.
- Patterns can be inverted or mirrored.
- All decorative patterns can be stored in memory.



BUILT IN LETTERING THREE TYPES OF FONTS

BROTHER ULT2003D

- All three fonts have upper and lower case, numbers, and punctuation. Pg.4-6 in machine instruction book.
- Gothic. Upper and lower case. Large or small size.
- Script. Upper and lower case. Large or small size.
- Outline. Upper and lower case. Large or small size.
- Lettering can be mirrored, sewn single, or continuous.
- Editing is available on screen by using the delete key.
- Lettering can be saved in the machine memory. Pg 4-27 in instruction book.
- Touch the font of your choice. Touch the letters using upper and lower case. The line in the lower right corner is the space icon.
- Touch the check key to view your selection.
- Stabilize fabric correctly. Guide fabric while stitching to keep the fabric straight.

EMBROIDERY SIDE

The Brother ULT2003D is a very unique embroidery machine. In addition to many floral and home-related designs there are over 150 DISNEY designs built into the machine.

The large floral alphabet, frames and 11 fonts contribute to combining designs and letters for all your needs.

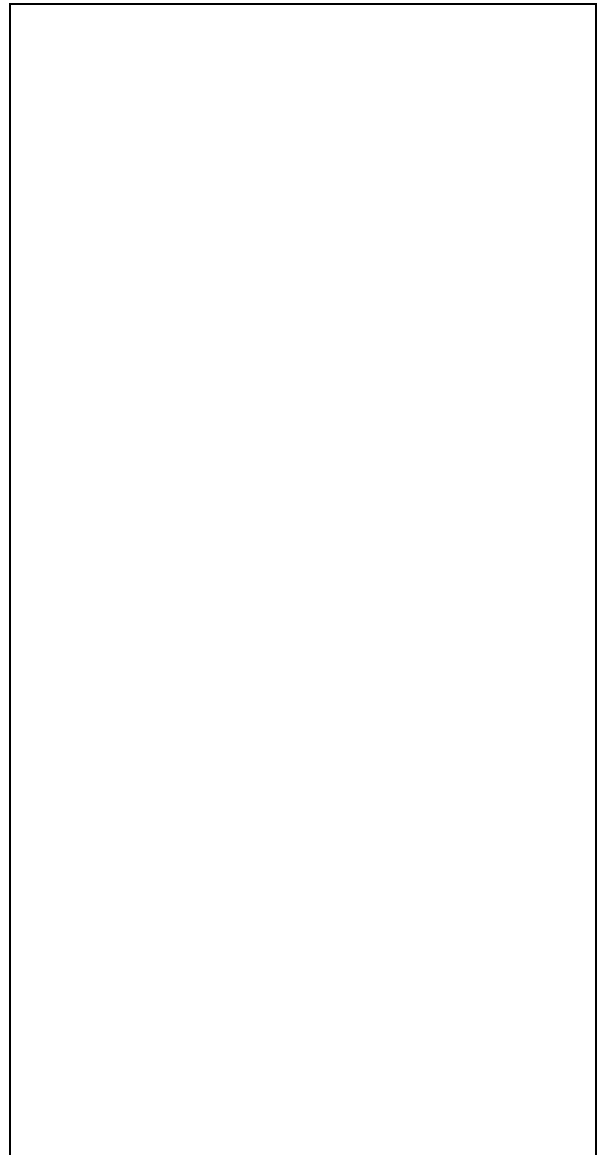
The ULT2003D has a slot in the right side of the machine for Brother Memory cards. A 3 ½" floppy disk can be inserted directly into a slot in the side of the machine.

1. Turn machine off and slide on the embroidery unit. Turn machine on. The Disney characters will welcome you.
2. Touch the screen. A message appears to tell you to OK the unit to move into position. Touch OK. Unit will move.
3. The blue embroidery screen appears. This is a single selection screen. Designs can be sized, rotated, mirror image and other wise edited.
4. Touch Embroidery Edit in the upper right corner. The icons now appear in light orange color on a light orange background. The same editing tools are available but you can also combine designs. Designs can be combined from built in's, fonts, memory cards, PE-Design and/or floppy disks.
5. Touch the icon in the upper right corner. The defaults can be changed in this screen. Embroidery frame display can be entered for the size hoop you are going to use. The frame outline will then appear on the screen with the design.
6. From this screen the thread numbers or name can be selected.
7. The embroidery speed can be set to 350, 600 or 800 SPM.
8. Page two will give more options.
9. Brightness of the screen can be changed.
10. The buzzer, lamp, and opening display are optional. However, it is advisable to have the application check and the color separation turned on.
11. Select from 12 different languages.
12. Thread color numbers can be customized. See page 5-43 in the Ult2003D instruction book.

FLOWERS, FLORAL FRAMES, KITCHEN RELATED ITEMS.

In the first category over 70 designs are built into the Brother ULT2003D. They can be rotated, sized, mirrored and moved. When brought into the machine in Embroidery Edit, other designs or lettering can be combined.

- Turn machine on. Touch screen. OK the carriage to move.
- Touch Embroidery Edit. Open the Floral category. Touch the first design in the upper left corner. Touch Set.
- Design can be moved, sized rotated or mirrored in this screen. End
- At this point other designs or lettering could be combined with the design.
- Touch Sewing.
- Note the large hoop must be used.
- To view the design in the hoop, touch image. Touch zoom to view the stitches. Close.
- The size in cm, total number of stitches, time in minutes and number of thread colors are shown at the top of the screen.
- In this screen, the design can be saved into memory in the machine or on a floppy disk.
- Stabilize the fabric and hoop.
- The trial key can be activated to check the positioning on the fabric.



LARGE FLORAL LETTERS BROTHER ULT2003D

Sew in upper and lower case, with or without flowers.

1. Touch the large ABC key.
2. Select letter.
3. There are three pages.
4. Letters may be sewn with or without the flowers.
5. You can select from upper or lower case.
6. Page 3 has five flowers that can be sewn alone or combined with letters.

EXERCISE:

1. Program in the large letter "S". Set.
2. Rotate 90 degrees to the right. Close.
3. Use arrow keys to move letter toward the top of the screen. End.
4. Touch the large ABC.
5. Page 3 touch the lower case "u." Set.
6. Rotate 90 degrees to the right.
7. Use the arrow keys to move the "u" if needed. Close. End.
8. Touch the large ABC page 2, touch the "e". Set. Rotate 90 degrees.
9. Use arrow keys to move "e" to desired position. Close.
10. The Select keys will move the red box through the designs. The design selected can be moved or edited. End.
11. Touch the large ABC again. Page 3. Bring in a small flower and place after the "e". Touch Image at the top of the screen. Touch zoom to see the stitches. Close, End, Sew. The design can be saved in the machine or on a floppy.
12. Stabilize, hoop and sew.

Hint: Touch Embroidery Edit. Touch the large ABC and the letter of choice. Sew the letter only. Bring in one of the Disney characters and place in an area of the initial. A fun use for creating monogramming with Disney.

BUILT IN FRAMES BROTHER ULT2003D

10 frame shapes and 12 different borders add up to 120 possible frame designs. The designs can be increased or decreased in size and shape, rotated, mirrored, and moved for an endless variety of fun adventures in creating designs. The frames lend themselves to appliqués. Lettering or designs brought in from other sources can also be combined.

1. Turn machine on. Touch screen. OK. Embroidery arm will move.
2. Touch the Embroidery Edit icon at the top.
3. Touch the frame icon.
4. Select the frame in the center of the second row.
5. Select and touch the desired border. Some borders have two colors.
6. Set. Size. Increase size to about 15 X 15 cm. Close.
7. End. Touch the Mickey icon. Touch the Mickey/Minnie icon. Page three. First design in the upper left corner.
8. Set. End.
9. Touch the font icon. Choose the third one down on the left side.
10. Touch the "I". Touch the key to make a med. size.
11. Touch the space key and lower case.
12. Enter "love" by touching the letters.
13. Set. Use the arrow keys to move the letters above Mickey's head but inside the frame. Touch array.
14. Touch the ABC arc. Move the arc down if needed. Close. End.
15. Touch the font icon. Choose the same font.
16. Touch the "M"-- med size. lower case "ickey" Set. Array.
17. Touch the inverted arc and move under Mickey. Close. End.
18. Touch the Sewing key.
19. Stabilize, hoop and place hoop in machine.
20. Touch the trial key to check the positioning. Move if needed.
21. Note: In this screen the arrow keys will move the entire design.
22. Enter into machine memory.

FONTS

BROTHERULT2003D

There are 11 fonts built into the Brother ULT2003D. Each font includes upper case, lower case, numbers and punctuation.

1. Turn on machine. Touch screen. OK to set emb. arm. Choose Embroidery Edit.
2. Touch the font icon.
3. Touch the first one in the upper left corner.
4. Program in Mickey, med. size using upper and lower case. Set.
5. Touch array. Leave the lettering in the default. Close.
6. Touch size. In this screen touch the various keys to change size. Close.
7. Move to the top of the screen. End.
8. Touch the font icon. Chose the third font in the first column.
9. Enter Brother. Med. size. Upper case. Set.
10. Array. Touch the top key in the upper right corner. The angle.
11. Close. Touch Rotate.
12. Rotate 90 degree to the right. Now rotate in one-degree increments to place letters in a vertical line. Move to the left under the M. End
13. Touch font icon. Choose the outline. Program in BTS in large, touch the number icon and 2--change to small and program in 003. Set. Move to the bottom of the screen. Touch spacing and move the letters apart as far as possible. Close. End.
14. Touch font icon. Second in the right column. Program in Disney in upper and lower font. Set. Array. Touch the ABC arc. Close. Press the icon to make the arc flatter.
15. Move up under Mickey. Close. Rotate in one-degree increments to the right. Move to the right. End.
16. Using the techniques we have just learned, finish the design as shown in the sampler or create your own center.
17. Touch Image. Touch the zoom key to review the stitching.
18. Save on a floppy disk or in the machine.

DISNEY BUILT-IN BROTHER ULT2003D

The Brother ULT2002D was the first Brother machine to be marketed with the Disney Characters built into the embroidery designs. This was the most excited news in the sewing/embroidery world since home embroidery was introduced to the home sewer.

In the Brother ULT2003D there are over 150 different designs built in. Many of these can be sized and rotated. The designs can be combined with other Disney designs, built-in designs or from a card or a floppy disk.

If a design has a Disney character and is to be saved, it can be saved in the machine memory. Pg 6-32 in the instruction book.

Since the introduction of Disney to the embroidery world, Brother has offered and continues to offer Disney memory cards that can be used in any of the Brother/Disney line of machines.

Brother has also expanded the line of machines that are Disney compatible.

The latest memory card "Finding Nemo" is guaranteed to be one of the most popular.

Sew them, Wear them, Give them away, Enjoy them!!!

BROTHER MEMORY CARDS. ULT2003D Embroidery

Brother has over 65 memory cards plus all the wonderful Disney memory cards. The Brother Memory cards can be edited in size, mirrored, rotated, moved, combined with built in designs, other cards, fonts and with designs created in PE-Design. The thread colors can be changed on the screen.

Disney cards have some editing options. Many of the designs can be sewn in more than one size. Some can be rotated. All can be moved on screen and combined with other cards, and lettering.

1. Turn on the Brother ULT2003D. Touch the Disney welcome screen. Touch OK to set the embroidery arm.
2. Choose Embroidery Edit.
3. Insert a Brother Memory card. Touch the memory card icon. Select the design. Mirror Image may be available. Set.
4. This screen will allow editing and moving. The designs on Brother Memory cards and the built in designs may be increased in size 20% or decreased 10% without losing stitch quality.
5. Designs may be mirror imaged or rotated.
6. Thread colors may also be changed on screen.
7. When design is selected and edited, touch end.
8. The memory card may be removed and replaced with another card. Enter the design.
9. Move, rotate and edit. Touch end.
10. If lettering is to be added touch the font key. Enter word or words. Touch Set.
11. Lettering may be edited by using the size, spacing, array, multi-color or density keys.
12. When editing the design is finished touch END and SEWING.
13. The design may be saved on floppy disk or in the machine. If a Disney design was used the design must be saved in the machine.

DESIGNS ON A 3 ½" FLOPPY DISK BROTHER ULT2003D EMBROIDERY

- Some models of Brother machines have a slot for inserting 3 ½" floppy disks.
- Designs created in the PE-Design may be saved on a floppy and then inserted directly into the slot in the machine.
- Designs created in the machine may also be saved on a floppy.
- Note: Disney designs cannot be saved on a floppy.
- To retrieve a design from a floppy:
- Turn machine on.
- Touch the Disney welcome screen. OK to set the carriage.
- Touch the Embroidery Edit icon.
- Touch the icon with the picture of a floppy.
- The designs on the floppy will be shown on the screen.
- Touch the design.
- The design will be retrieved. Set
- The editing screen may allow the design to be edited. This depends on the design and where it came from. Some commercial designs do not allow editing.
- END. SEW.